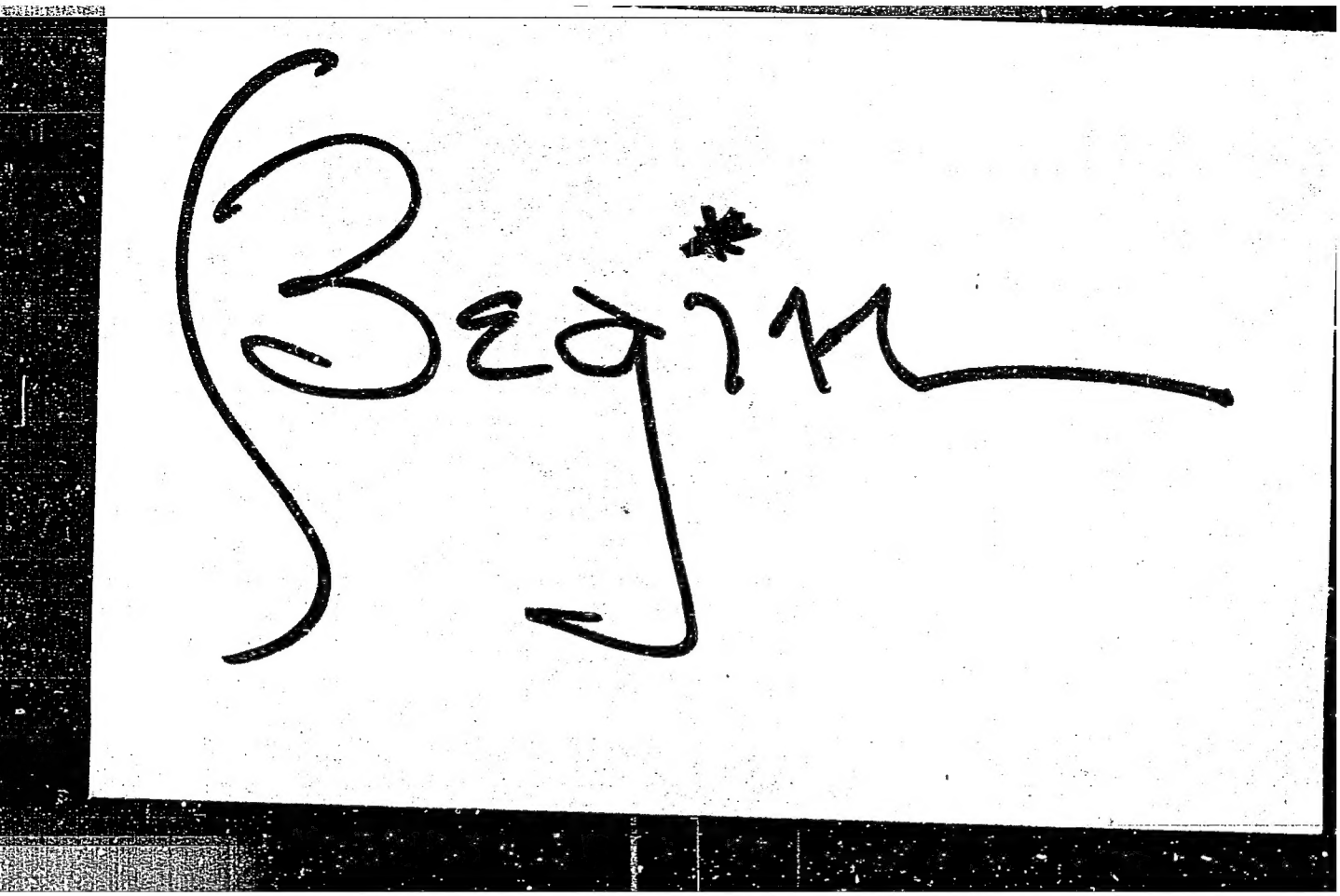

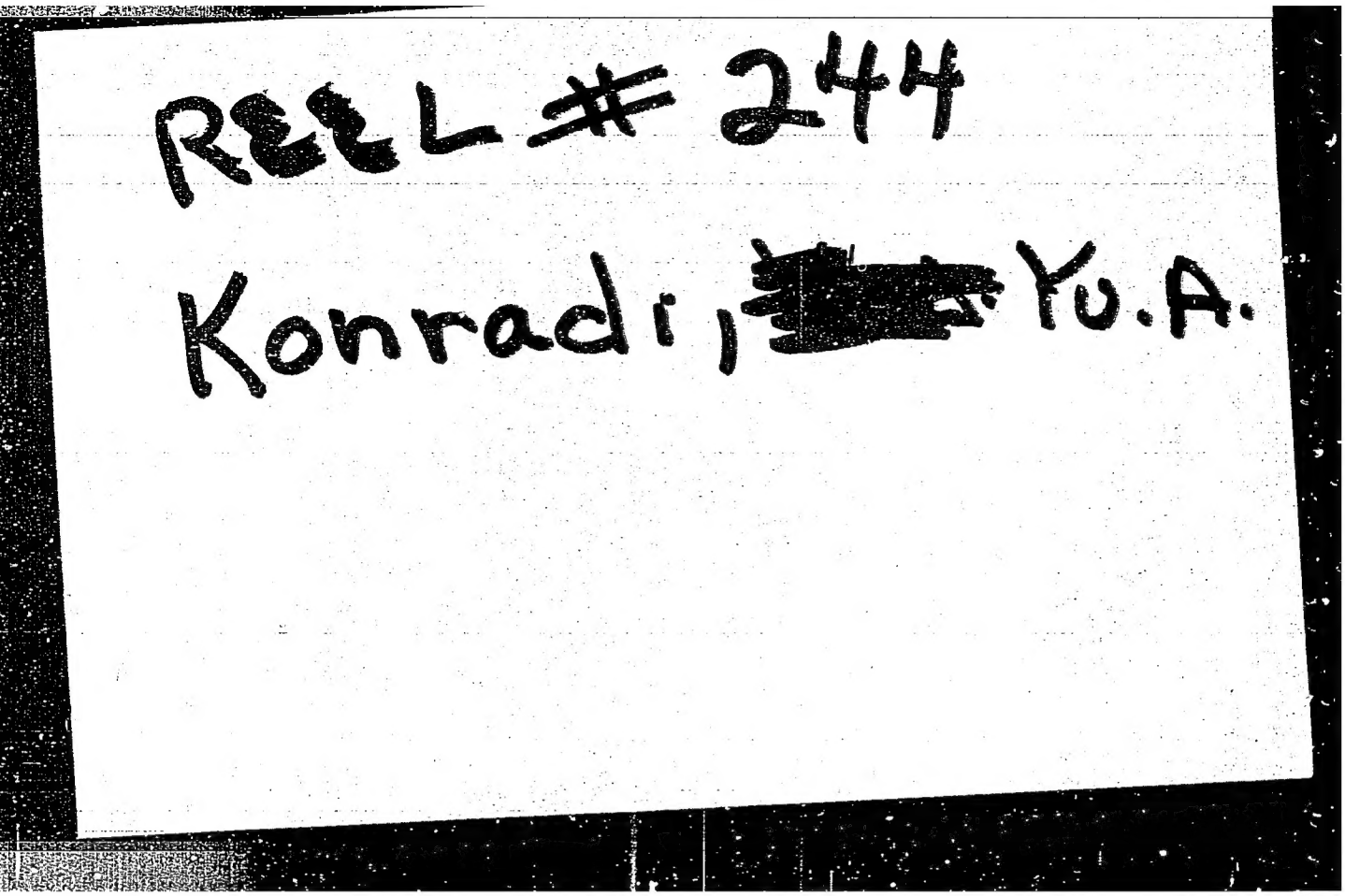

KONRADI, Yu.A.

The GShO-1 small-size grab bucket loader. Biul.tekh.-ekon.inform. no.9:7-9 '61. (MIRA 14:9)

(Excavating machinery)

KONRADOV, A., inzh.

Aerosleighs "Sever." Za rul. 17 no.2:26 F '59. (MIRA 12:3)
(Motor sledges)

KONRADOVA, V.

Ultrastructur of algae and flagella. Cesk. pediat. 20 no.2: 160-163 F '65

1. Ustav vyzkumu vyvoje ditete fakulty detskeho lekarstvi Karlovy University v Praze (redite' prof. dr. J. Houstek).

KONRADOVA, Vaclava; ZIKOVA, Miroslava

Adrenogenital syndrome according to newborn and infant autopsy data in 1952-1957. Cesk. pediat. 14 no.4:320-323 5 Apr 59.

1. Fakulta detskeho lekarstvi, Praha. Katedra pathologicke anatomie a mikrobiologie. Vedouci katedry: doc. Dr. D. Benesova.
(ADRENOGENITAL SYNDROME, statist,
autopsy data of pediatric clinic (Cz))

KONRADOVA-NOVOTNA, H.

A new locality of silicified woods in the Trebon basin. p. 82

Prague. Ustredni ustav geologicky. VESTNIK. Prague, Czechoslovakia, Vol. 34, no. 1, 1959

Monthly List of East European Accessions (EEAI), LC, Vol. 8, no. 11, Nov. 1959 Uncl.

ALEKSEYEV, V.; KONRADS, Ya., Geroy Sotsialisticheskogo Truda, master;
SUROVTSEV, N.

The best builders. Stroitel' no.4:12 Ap '59. (MIRA 12:6)

1.Spetsializirovannoye upravleniye otdelochnykh rabot tresta Rigastroy.
(Building)

KONRADT, A.G.

27682 Issledovanie glavnykh endokrinnykh organov oneshskoy semgi v svyazi s biologiyey yeyeramnosheniya. soobshch 1. trudy laboratorii osnov rybovodstuv, t. II, 1949, s. 148-61. ---Bibliogr: 6 nazv.

SO: Knishnaya Letopis, Vol. 1, 1955

GOLOVKOV, G.A.; KONRADT, A.G.

Combined rearing of carp and whitefish on a commercial carp farm. Trudy sov. Ikht. kom. no.14:59-63 '62. (MIRA 15:12)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut ozernogo i rechnogo rybnogo khozyaystva (GosNIORKh).
(Moldavia—Carp)
(Moldavia—Whitefishes)

KONRATH, Frantisek; KUBAT, Jiri, inz.

Automatic ejection of pressings from drawing presses. Stroj vyr 13 no.4:280-282 Ap '65.

1. Research Institute of Mechanical Engineering and Economics, Prague (for Konrath). 2. Research Institute of Handling of Materials, Prague (for Kubat).

L 36480-66 EWT(m)/EWP(t)/ETI IJP(c) JD/RDW

ACC NR: AP6027080 SOURCE CODE: UR/0020/66/167/002/0361/0364

AUTHOR: Mochalov, K. N.; Konrat'yev, S. N.; Blagoveshchenskaya, G. I.; Sidorov, Ye. Ye.

ORG: Kazan' Chemico-Technological Institute im. S. M. Kirov (Kazansky khimiko-tekhnologicheskiy institut)

TITLE: Preparation of pure selenium trioxide and some of its properties

SOURCE: AN SSSR. Doklady, v. 167, no. 2, 1966, 361-364

TOPIC TAGS: selenium compound, chemical synthesis, dehydration, selenic acid, phosphorus oxide, chemical laboratory apparatus, chemical separation, chemical purity, vacuum distillation

ABSTRACT: The Toul-Dostal method of synthesizing selenium trioxide, involving the dehydration of anhydrous selenic acid with phosphorus pentoxide: $H_2SeO_4 + P_2O_5 \longrightarrow SeO_3 + 2HPO_3$, was improved to give a more reliable and suitable method by omitting the use of a drying chamber.

Phosphorus pentoxide and 98-100% selenic acid (without H_2SeO_3) are mixed in a 12 : 10 weight ratio in the reactor section of a completely closed glass apparatus. After sealing of the leading tube the apparatus is connected to a vacuum pump, and the reaction mixture is heated to 140-145°. At this temperature and a pressure of 1-2 mm Hg the basic mass of selenum trioxide is separated. SeO_3 vapors are condensed in a collector which is cooled with running water. After completion of the reaction necks to the collector are sealed and the cooler is removed. The selenium trioxide in the collector

Card 1/2

UDC: 546.23

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ACC NR: AP6027080

contains only the impurity of selenic acid. To remove it the substance is vacuum-distilled twice. This article was presented by Academician I. I. Chernyayev on 24 June 1965. Orig. art. has: 1 figure. [JPRS: 36,455]

SUB CODE: 07 / SUBM DATE: 20Jun65 / ORIG REF: 001 / OTH REF: 010

Card 2/2 mcp

VOLKONSKAYA, Anastasiya Sergeyevna, montazhnitsa; KOMRILOVA, M.I., redaktor; KIRSANOVA, N.A., tekhnicheskiy redaktor

[Assembling radio tubes] Na montazhe radiolamp [Moskva] Izd-vo VTsSPS Profizdat, 1956. 24 p. (MLRA 10:3)

1. Moskovskiy ordena Lenina elektrolampovyy zavod (for Volkonskaya)
(Electron tubes)

KONSAL, Janos, inz.

Determining the microstructure of deep-drawing sheets and bands. Normalizace 13 no.4:125-129 Ap '65.

1. Research Institute of Iron Metallurgy, Prague.

KONSANSZKY, Antal, dr. (Szeged, Honved ter 8.)

Investigations into the mechanism of action of the Degranol (BCM). Biol kozl 9 no.1:79-86 '61.

1. Szegedi Orvostudomanyi Egyetem Vegytani es Biokemiai Intezete, Szeged.

KONSANSZKY, Antal

The effect of water-soluble Mg-porphyrin compounds on the propagation and ergosterol content of yeast cells. Biol kozl 8 no.2:139-144 '60.

1. Szegedi Orvostudomanyi Egyetem Vegytani es Biokemiai Intezete.

KONSAP, O.

Some new opinions concerning the control of the skin irritations caused by the ox warble fly. p. 320.

GAZ, WODA I TECHNIKA SANITARNA (Stowarzyszenie Naukowo-Techniczne Inzynierow i Techników Sanitarnych, Ogrzewnictwa i Gazownictwa) Warszawa, Poland, Vol. 32, no. 6, June 1958.

Monthly list of East European Accession (EEAI) LC, Vol. 9, no. 2, Feb. 1960

Uncl.

KONSAP, O.

AGRICULTURE

Periodical: SOTSIALISTLIK POLLUMAJANDUS. Vol. 14, no. 1, Jan. 1959

KONSAP, O. The use of DDT and hexachloran for animals and feed cultures requires caution. p. 13.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 5, May 1959, Unclass.

KONSAREV, A.I.; VOLKOV, A.I.; PRONIN, A.T.; PLATONOV, V.S.

Modification of the loading mechanism for an MP-1200 machine.
Zav. lab. 31 no.8:1025 '65. (MIRA 18:9)

KONSCHNSCHI, A

TECHNOLOGY

PERIODICAL: CELULOZA SI HIRTIE, Vol. 7, No. 11, Nove. 1958

KONSCHNSCHI, A. A Soviet-Rumanian conference regarding the exchange of experiences in the field of utilizing reed in chemical and paper industries Kiev, September 22-29, 1958 p. 435

Monthly List of East European Accessions (EEAI) LC Vol. 8, No. 4
April, 1959, Unclass

KONSEK, Reinhold, mgr., inz.

Arc welding of gray cast iron with EZO electrodes. Przegl spaw 13 no.10: 262-270 '61.

1. Zaklady Mechaniczne im. Gen. K: Swierczewskiego w Elblagu.

KONSEK, Reinhold, mgr.,inz.

Arc welding of gray cast iron with EZO electrodes. Przegl odlewn 12 no.2:49-55 '62.

KONSEK, Reinhold, mgr inz.

Experiments in electrochemical purification of castings. Przegl odlew 13 no.4:112-117 Ap '63.

KONSEK, Ryszard, mgr., inż.

Technique of welding large gray iron castings with EZO electrodes.
Przegl odlew 12 no.3:83-86 Mr '62.

KONSETOV, V.V., inzh.

Application of the method of linearized equations in calculations of gas-turbine installations. Energomashinostroenie 4 no.5: 16-21 My '58. (MIRA 11:9)
(Gas turbines)

KONSETOV, V.V., inzh.

Selection of a standard stationary gas-turbine unit. Energomashinostroenie 5 no.3:17-19 Mr '59. (MIRA 12:3)
(Gas turbines)

32160 R
S/096/60/000/012/008/008
E194/E484

26.5500

AUTHOR: Konsetov, V.V., Engineer

TITLE: An Experimental Investigation of Heat Transfer During the Condensation of Steam in Horizontal and Slightly Sloping Tubes

PERIODICAL: Teploenergetika, 1960, No.12, pp.67-71

TEXT: Heat transfer to horizontal or slightly sloping tubes is often of practical importance but data relating to condensation of high and medium pressure steam with great rates of heat flow are very limited. Accordingly, under the guidance of Professor S.S.Kutateladze, tests were made in the Tsentral'nyy kotloturbinnyy institut (Central Boiler and Turbine Institute) to determine the mean heat transfer coefficient during the condensation of high-pressure and medium-pressure steam in horizontal and slightly sloping tubes at high rates of heat transfer. The tests were made in tubes of stainless steel grade 1Х18Н9Т (1Kh18N9T) on an experimental rig illustrated diagrammatically in Fig.1 in which the following notation is used: 1 - steam cooler; 2 - experimental tube; 3 - evaporator; 4 - secondary steam condenser; 5 - calorimeter; 6 - condenser-cooler; 7 - cooling water measuring

Card 1/5

An Experimental Investigation ...

tank; 8 - condensate measuring tank. The steam conditions and tube sizes are tabulated. Super-heated steam at a pressure of 90 atm and a temperature of 500°C was used in the tests. To obtain the required pressure and temperature, the steam was throttled and cooled to temperatures some 10 to 40°C above saturation temperatures. The measurement procedures and methods of working out the experimental data are discussed. The mean heat transfer coefficient was determined from Eq.(1)

$$\bar{\alpha} = \frac{1}{t'' - t_{cp} - \frac{\bar{q}}{\delta}}, \qquad (1)$$

where $\bar{q}$ - the mean heat flow related to the inner surface of the tube; t_{cp} - the mean temperature indicated by the thermocouples; δ/λ_{cT} - a correction for the depth of insertion of the thermocouples; t'' - the saturation temperature of the steam investigated. The mean heat transfer coefficient was determined from the following formula

Card 2/15

(2)

where n is the number of thermocouples.
As the curves of temperature distribution round the perimeter and along the length of the tubing are very flat, see curves of Fig.2, this method gives no appreciable error. The overall error of the tests is of the order of 20 - 15%. The direct results of the tests are plotted in Fig.3 and 4 which relate to tubing of 10 mm and 24 mm diameter respectively. The experimental data for horizontal tubes and for slightly sloping tubes practically coincide. Heat exchange during the condensation of steam moving along the tube with varying velocity has been very little studied but it is shown that the dimensionless heat transfer coefficient is a function of the dimensionless magnitudes given in Eq.(7).

$$\frac{\bar{\alpha} d_n}{\lambda} = f\left(\frac{\bar{q} l}{r \gamma \nu}; \frac{g d_n^3}{\nu^2}; \frac{\nu}{a}; \frac{a}{\gamma d_n^2}; \frac{\gamma}{\gamma''}; \frac{\nu}{\nu''}; \frac{l}{d_n}; \varepsilon\right), \quad (7)$$

Card 3/5

An Experimental Investigation ...

By integrating local values of the Nusselt number over the entire length of the tube, a mean value for the Nusselt number is obtained in the form of

$$\bar{Nu} = 0{,}024\,\bar{Re}^{0.8}\,Pr^{0.4}\left(\frac{\gamma}{\gamma''}\right)^{0.4}\left(\frac{\nu''}{\nu}\right)^{0.1}\frac{1}{(1-\varepsilon)^{1.5}}. \quad (13)$$

Здесь $\bar{Re} = \frac{2\bar{q}l}{r\gamma\nu}$.

On the basis of analysis of the experimental and calculated data, the Reynolds number may be calculated approximately from

$$Re_0\left(\frac{\gamma}{\gamma''}\right)^{0.5}\left(\frac{\nu''}{\nu}\right)^{0.12} = 250\left(\frac{qd_0^3}{\nu^2}\right)^{0.25}\left(\frac{\gamma}{\gamma''}\right)^{0.1}. \quad (14)$$

The results obtained are compared with those of other authors and agreement is satisfactory between all the data although they were obtained for different substances and at different pressures. E.P.Karpeyev and S.S.Kutateladze are mentioned for their contributions in this field. There are 6 figures, 1 table and 7 refer[illegible]: 3 [illegible] and 4 [illegible]. The four references to

Card 4/5

An Experimental Investigation ...

English language publications read as follows: R. Potter, S. Patel. Refrigerating Eng., No.5, 1956; W. Akers, H. Deans, O. Crosser. Chemical Eng. Progress, v.54, No.10, 1958; J. Tepe, A. Mueller. Chemical Eng. Progress, v.43, p.267, 1947; E. Carpenter, A. Colburn. The effect of vapor velocity on condensation inside tube. General Discussion on Heat Transfer, 1951.

ASSOCIATION: Tsentral'nyy kotloturbinnyy institut
(Central Boiler and Turbine Institute)

Card 5/5

S/143/61/000/011/007/009
D203/D302

AUTHORS: Klutateladze, S. S., Doctor of Technical Sciences, Professor, and Konsetov, V. V., Engineer

TITLE: Heat exchange during condensation of steam inside vertical pipes

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Energetika, no. 11, 1961, 63-69

TEXT: The process requires at least a qualitative analysis to interrelate the variables involved. The effect of steam velocity on the turbulent condensed film is considered. Semi-empirical formulae for heat transfer are derived from the generalized Reynolds analogy where m =.3 - .4, and the equation of motion of the film (expressed as the balance of tangential stresses). Assuming that

$$\xi = A_1 \, Re^{n_1}$$

$$\xi'' = A_2 \, Re''^{n_2} \qquad (3)$$

Card 1/4

Heat exchange during ...

the latter is first reduced to a dimensionless form. Suffix 1 refers to water. Suffix 2 and double prime refer to steam. The general formula for heat transfer is deduced and simplified for the cases of small steam velocity (v = 0) and high steam velocity. The authors then consider the flow in a vertical pipe with a constant density q of heat flow through the cooling surface and deduce equations for the heat transfer. Mean coefficients of heat transfer α were found by the authors experimentally for high pressures (10 to 40°C) steam and high heat loads (10^5 - $1{,}2 \times 10^6$ kcal/m^2/hr) and for the evaporation coefficient ε = 0 - 15%. The dimensions of the pipe were: d = 10 mm, l = 2.2 and 3.2 m. Gravity must be taken into account if $\frac{\alpha d}{\lambda_0} \leqslant 3$. For this case the heat transfer equation can be simplified to

$$\frac{\bar{\alpha}}{\alpha_0} = 1 + 0{,}045 \left(\frac{\nu''}{\nu}\right)^{0.3} \frac{w_0''}{\sqrt{gd}} \qquad (3)$$

Card 2/ 4

On the basis of this the existing experimental data are generalized. For $\frac{\bar{\alpha}}{\alpha_0} \leq 3$ the simpler equation

$$\frac{\bar{\alpha} d}{\lambda} \varphi^{-1} Pr^{-0,4} = f_2(\varepsilon)\left(\frac{\delta}{\delta''}\right)^{0,4}\left(\frac{\nu''}{\nu}\right)^{0,1} Re^{0,8} \qquad (21)$$

can be used. There are 3 figures, 1 table and 6 references: 2 Soviet-bloc and 4 non-Soviet-bloc. The references to the English-language publications read as follows: A. Colburn, Chem. Engng. Prog. No. 4, (1934); A. Colburn, E. Capneuter, "The effect of vapour velocity on condensation inside tube", General Discussion on Heat Transfer, London, 1951; J. Tepe and A. Mueller, "Condensation and subcooling inside inclined tube", Chem. Engng. Prog. no. 43, p. 267 - 268, (1943).

Card 3/4

S/143/61/000/011/007/009
D203/D302

Heat exchange during ...

ASSOCIATION: Tsentral'nyy nauchno-issledovatel'skiy kotloturbinnyy institut imeni I. I. Polzunova (Central Scientific Research Boiler and Turbine Institute imeni I. I. Polzunov)

SUBMITTED: July 2[illegible], 1960

Card 4/4

33333
S/143/61/000/012/005/005
D299/D305

26.5500

AUTHOR: Konsetov, V.V., Engineer

TITLE: On heat transfer through vapor condensation inside horizontal tubes

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Energetika, no. 12, 1961, 68 - 76

TEXT: An approximate analytic solution is proposed for the problem of heat transfer in a horizontal tube; new experimental results, obtained by the author, are given. It is shown that the discrepancies in the values of the mean heat-transfer coefficient (obtained by other investigators), are due to the experimental method. Vapor condensation inside a horizontal tube is considered (Fig. 1). The condensate flows at the bottom of the tube. The heat-transfer is determined by the dimensions and flow conditions of the condensate. The Reynolds number of the flow is determined. An approximate expression is found for the angle of flooding (submersion) φ_c. Due to surface tension, the numerical methods of calculating the form of the free surface, are inapplicable to the case under consideration.

Card 1/5

On heat transfer through vapor ...

From the equations of motion, one obtains

$$1 - \cos\varphi_0 = f(Fr; \frac{\sigma}{\gamma d^2}), \quad (20)$$

where F is the cross-sectional area and d - the diameter of the tube. For tubes of small diameter, Eq. (20) can be approximated by

$$1 - \cos\varphi_0 = cFr^n(\frac{\sigma}{\gamma d^2})^m, \quad (21)$$

where the constants n and m are determined experimentally. The author found that, due to surface tension, the dimensionless angle of flooding increases by the factor

$$\frac{\varphi_\sigma}{\pi} \simeq \sqrt{\frac{\sigma}{\gamma d^2}}. \quad (25)$$

On determination of the mean heat-transfer coefficient, the approximate expression for it, $\bar{\alpha}$ is

$$\bar{\alpha} \simeq \frac{\varphi}{\pi}\bar{\alpha}_p + \frac{\pi - \varphi}{\pi}\bar{\alpha}_{tu} \quad (29)$$

Card 2/5

On heat transfer through vapor ...

where $\bar{\alpha}_p$ and $\bar{\alpha}_{tu}$ are the coefficients of the condensate flow and of the upper part of the tube respectively; α_{tu} is determined by the expression

$$\bar{\alpha}_{tu} = \alpha_0 \cdot B_\varphi \cdot B_\beta, \qquad (31)$$

where B_φ, B_β are given by formulas). For the experimental mean heat transfer coefficient $\bar{\alpha}_{exp}$, one obtains

$$\bar{\alpha}_{exp} = \frac{\frac{\varphi}{\pi}\frac{\alpha_p\alpha_2}{\alpha_2+\alpha_p} + \frac{\pi-\varphi}{\pi}\cdot\frac{\alpha_{tu}\alpha_2}{\alpha_{tu}+\alpha_2}}{\frac{\varphi}{\pi}\frac{\alpha_2}{\bar{\alpha}_p+\alpha_2} + \frac{\pi-\varphi}{\pi}\frac{\alpha_2}{\alpha_{tu}+\alpha_2}}. \qquad (38)$$

This expression shows that $\bar{\alpha}_{exp}$ depends on the heat transfer inside the tube ($\bar{\alpha}_{tu}$, $\bar{\alpha}_p$) as well as on the heat-transfer coefficient α_2 of the outer side of the tube. The experimental values of α, obtai-

Card 3/5

33333
S/143/61/000/012/005/005
D299/D305

On heat transfer through vapor ...

ned by various investigators, are compared with the calculated values, and good agreement found. The experimentally determined mean heat-transfer coefficient depends on the relation between the heat-transfer inside and outside the tube. The discrepancies in the experimental results can be explained by the different conditions of heat transfer. If the distribution of α along the tube perimeter is very uneven, the heat transfer for the lower- and upper parts of the tube has to be calculated separately; this would solve the problem of heat-transfer calculation for vapor condensation inside tubes in principle. The influence of the vapor velocity becomes effective only for values of q and l exceeding a certain critical value. For tubes of small diameter, it is essential to make allowance for the surface tension δ. From Eqs. (31) and (38) follows that $\bar{\alpha}$ depends little on the angle of inclination, provided the latter is small; this was experimentally confirmed. There are 4 figures and 9 references: 6 Soviet-bloc and 3 non-Soviet-bloc. The references to the English-language publications read as follows: Chaddck. Condensation vapor inside horizontal tube. Refrig. Engng., no. 4, 1957; Potter and Patel. Condensation of freon-12 inside ho-

Card 4/5

33333
S/143/61/000/012/005/005
D299/D305

On heat transfer through vapor ...

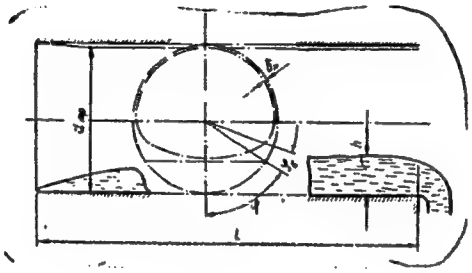
rizontal tube. Refrig.Engng. no. 5, 1956.

ASSOCIATION: Tsentral'nyy kotloturbinnyy institut imeni I.I. Polzunova (Central Boiler and Turbine Institute imeni I.I. Polzunov)

PRESENTED: by Prezidium kotel'noy sektsii (Presidium of the Boiler Department)

SUBMITTED: November 15, 1960

Fig. 1.



Card 5/5

KONSETOV, V.V., inzh.

Operation of a compressor unit in a gas turbine system.
Energomashinostroenie 7 no.6:19-22 Je '61. (MIRA 14:7)
(Gas turbines)
(Compressors)

L 29846-66 EWT(1)/EWT(m)/ETC(f) IJP(c) WW

ACC NR: AP6007182 SOURCE CODE: UR/0170/66/010/002/0169/0175

49
B

AUTHOR: Konsetov, V. V.

ORG: Institute of Chemical Machinery Construction, Leningrad (Institut khimicheskogo mashinostroyeniya)

TITLE: Heat exchange in equipment with a mixer

SOURCE: Inzhenerno-fizicheskiy zhurnal, v. 10, no. 2, 1966, 169-175

TOPIC TAGS: heat exchange, heat transfer, three dimensional flow, thermodynamics

ABSTRACT: The results are presented for an approximate theoretical analysis of the problem on heat exchange between the walls of equipment and a mixing fluid for equipment with an agitator. In turbulent motion the transfer of heat stems from turbulence vortices of the fluid in contact with the heat exchange surface. Motion of the fluid is of a three-dimensional nature. In the first approximation it may be assumed that the turbulent pulsating motions are isotropic with respect to the surface. Hence at a given instant one third of the surface is washed by a stream which is perpendicular to the wall, and two thirds of the surface are washed by a stream parallel to the wall. These two flow directions are considered jointly in a derivation of an equivalent heat exchange coefficient. Heat exchange effects with paddle and propeller agitators are contrasted. Mixer size is considered as a

Card 1/2 UDC: 536.248

pertinent parameter. Approximating power formulae are obtained for determining a heat transfer coefficient between the apparatus wall and the coil surface, which accounts for designed sizes of the apparatus, mixer, partitions, etc. Certain test data are compared with results obtained through the use of computational formulae. Orig. art. has: 3 figures and 11 equations.

SUB CODE: 13,20/SUBM DATE: 28May65/ ORIG REF: 005/ OTH REF: 011

Card 2/2

KONSEL, J.

The faculty of Forestry in Brno. p. 178.

BRNO Vysoka zemedelska a lesnicka. SBORNIK RADA C: SPISY FAKULTY LESNICKE.

No. 3/4 1954.

SOURCE: East European Accessions List (EEAL) Library of Congress. Vol. 5, No. 1, January. 1956

KONSETOV, V.V.

Heat exchange during vapor condensation inside horizontal tubes.
Inzh.-fiz.zhur. no.6:9-16 Je '60. (MIRA 13:7)

1. TSentral'nyy nauchno-issledovatel'skiy kotloturbinnyy institut im. Polzunova, g. Leningrad.
(Water vapor)
(Heat--Transmission)

KONSETOV, V.V., inzh.

Experimental study of heat transfer in the condensation of water vapor in horizontal and slightly inclined pipes. Teploenergetika 7 no. 12:67-71 D '60. (MIRA 14:1)

1. TSentral'nyy kotloturbinnyy institut.
(Steampipes)

TARASOV, F.M.; KONSETOV, V.V., kand.tekhn. nauk, retsenzent

[Thin-layer heat exchangers] Tonkosloinye teploobmennye apparaty. Moskva, Izd-vo "Mashinostroenie," 1964. 362 p. (MIRA 17:5)

L 11527-66 EWT(l)/EWP(m)/EPF(n)-2/EWG(m)/EWA(d)/ETC(m)-6/EWA(l) WW

ACC NR: AP6003546 SOURCE CODE: UR/0314/65/000/010/0027/0030

AUTHORS: Lebedev, N. A. (Engineer); Konsetov, V. V. (Candidate of technical sciences)

ORG: none

TITLE: Flow of liquid through an annular slit between a bushing and a rotating shaft in the presence of heat exchange

SOURCE: Khimicheskoye i neftyanoye mashinostroyeniye, no. 10, 1965, 27-30

TOPIC TAGS: rheologic property, liquid flow, lubricant, rotating seal, axial flow

ABSTRACT: An approximate theoretical solution for the flow of an incompressible viscous liquid through an annular slit formed between a rotating shaft and a stationary bushing is presented. The solution of the problem is based on the equations of N. P. Petrov (Gidrodinamicheskaya teoriya smazki. M., izd-vo AN SSSR, 1948) and M. A. Mikheyev (Osnovy teploperedachi. M., Gosenergoizdat, 1956). From these the expression

$$\mu \frac{u^2}{\delta} \pi d dx = Qc_p dt + k(t_1 - t_0) \pi D dx,$$

was developed. Here, μ is the dynamic viscosity, u the angular velocity of the shaft, δ the slit width, c_p the specific heat, k the heat transfer coefficient, t_0

Card 1/3 UDC: 621--762.6.001.24

the temperature of the surrounding medium, t_2 the temperature in the slit, D the outside diameter of the bushing, dt the temperature increase in the element of the slit of length dx in the direction of lubricant flow. From the above equation, expressions for the temperature and viscosity along the length of the slit are derived. The extent of temperature stabilization of the lubricant is also calculated, and the results of calculations are compared with experimental data. The calculated and experimental results are presented graphically (see Fig. 1). It is concluded that the experimental data are in good agreement with calculated results.

L 11527-66

ACC NR: AP6003646

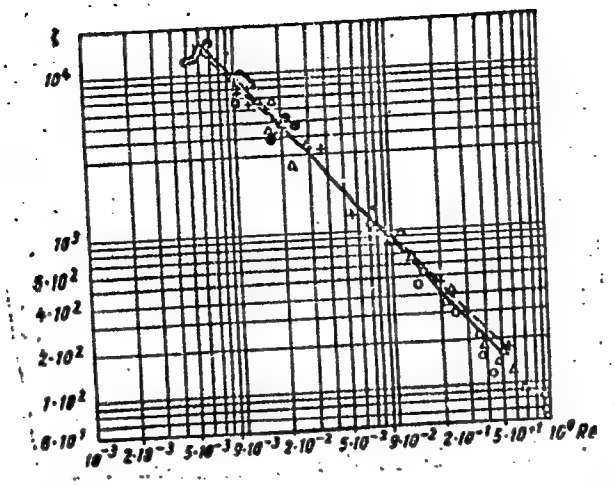


Fig. 1. Influence of Reynolds number on the resistance coefficient of the annular slit 5. Solid line experimental data; dashed line, calculated values; solid circles - u = 0 m/sec; crosses - u = 2.38 m/sec; triangles - u = 3.77 m/sec; open circles 6.28 m/sec.

Orig. art. has: 8 graphs and 14 equations.

SUB CODE: 13, 20/ SUBM DATE: none/ ORIG REF: 004/ OTH REF: 001

Card 3/3

KONSEVICH A. I.

181T105

USSR/Scientists- Ukraine

Mar 50

"New Laureates of Stalin Prizes," A. I. Konsevich

"Visnyk Ak Nauk Ukrains'koy RSR" No 3, pp 14-16

Lists members of Acad Sci Ukrainian SSR, who received Stalin prizes for their sci activity in 1949. Briefs the works for which they have been cited.

LC

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KONSEVICH, Anton Ivanovich; SHEVCHENKO, Yakov Aleksandrovich; ODINTSOV, [redacted] redaktor; MUSNIK, N.I., redaktor izdatel'stva; SKLYAROVA, V.Ye., tekhnicheskiy redaktor

[Ways of developing the electrification of rural regions of the Ukraine] Puti razvitiia elektrifikatsii sel'skikh raionov Ukrainskoi SSR. Kiev, Izd-vo Akademii nauk USSR, 1956. 63 p. (MLRA 10:1)
(Ukraine--Rural electrification)

KONSEVICH, A.I.

Increasing flax fiber production on collective farms of the Ukrainian Polesye. Visnyk AN URSR 27 no.5:31-38 My '56.
(MLRA 9:8)

(Polesye--Flax)

KONSEVICH, A.I.

Extention of the cultivation of hemp on the Polesye collective farms of the Ukrainian S.S.R. Visnyk AN URSR 28 no.7:11-17 Jl '57.
(Polesye--Hemp) (MIRA 11:1)

KONSEVICH, A.I. [Konsevych, A.I.], kand.ekon.nauk

Interesting book ("Agriculture of the Soviet Ukraine." Reviewed by A.I.Konsevych). Nauka i zhyttia 8 no.3:60-61 Mr '58. (MIRA 12:9)

(Ukraine--Agriculture)

KONSEVICH, A.I. [Konsevych, A.I.]; PRIMAK, K.V. [Prymak, K.V.].

("Upper Ingulets irrigation system; organization and economics of water utilization." Reviewed by A.I. Konsevych, K.V. Prymak). Visnyk AN URSR 29 no.3:74-76 Mr '58. (MIRA 11:5)
(Ingulets Valley--Irrigation)

NEREZOV, Timofey Alekseyevich [Neriezov, T.O.]; KONSEVICH, A.I. [Konsievych, A.I., kand.ekonom.nauk, otv.red.; GURENKO, V.A. [Hurenko, V.A.], red.

[Militant program for developing agriculture] Boiova programa rozvytku sil's'koho hospodarstva. Kyiv, 1960. 39 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koi RSR. Ser.6, no.10). (MIRA 13:9)

(Agriculture)

KONSEVICH, Anton Ivanovich [Konsievych, A.I.], kand.ekonom.nauk; ZHEREBKIN, G.P. [Zherebkin, H.P.], kand.ekonom.nauk, otv.red.; GURENKO, V.A. [Hurenko, V.A.], red.

[Carrying out the resolutions on the development of stockbreeding as directed by the December Plenum of the Central Committee of the CPSU] Vykonaiemo rishennia hrudnevoho Plenumu TsK KPRS v dal'shomu pidnesenni tvarynnytstva. Kyiv, 1960. 39 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koi RSR. Ser.6, no.12). (MIRA 13:9)

(Stock and stockbreeding)

KONSEVICH, A.I. [Konsevych, A.I.]; CHUNTULOV, V.T.

Book on the development of industry in the Ukraine ("Development of industry in the Ukraine" by O.O.Nesterenko. Pt.1: Trades and manufacture. Reviewed by A.I.Konsevych, V.T.Chuntulov). Dop.AN URSR no.1:125-127 '60. (MIRA 13:6)

(Ukraine—Industries) (Nesterenko, O.O.)

VASHCHENKO, P.; GALUSHKO, Ye. [Halushko, IE.]; KONSEVICH, A. [Konsevych, A.]

Valuable research on the history and economics of the Western Ukraine. Dop.AN URSR no.7:997-999 '60. (MIRA 13:8)
(Ukraine, Western--History)

VASHCHENKO, P.; KONSEVICH, A.

"Method of teaching economic geography of the U.S.S.R." by V.D.Podanchuk. Reviewed by P. Vashchenko, A. Konsevich. Geog. v shkole 23 no.4:92-93 Jl-Ag '60. (MIRA 13:10)

(Economic geography--Study and teaching)
(Podanchuk, V.D.)

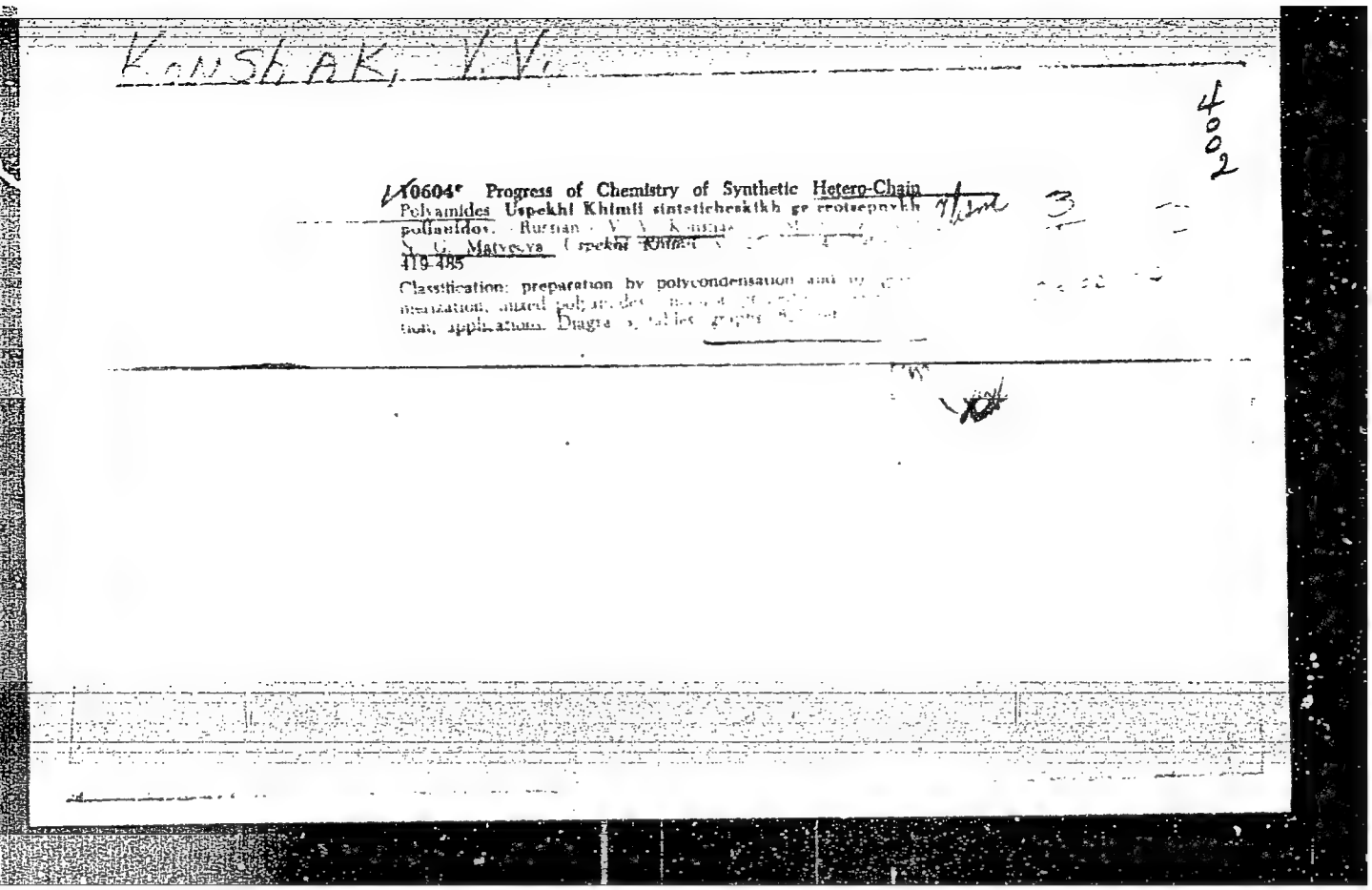
KUGUKALO, I.A.[Kuhukalo, I.A.], kand. ekon. nauk; KORETSKIY, L.M. [Korets'kyi, L.M.]; LIPSKIY, V.M.[Lips'kyi, V.M.]; KOSTENKO, N.K.; SHKURATOV, O.I.; LINCHEVSKAYA, V.O. [Lincheva'ka, V.O.]; DAVIDENKO, O.P.[Davydenko, O.P.]; VOLOBOY, P.V.; PUCHKO, Yu.S.; KONSEVICH, A.I.[Konsevych, A.I.]; KOPACHINSKAYA, N.I.[Kopachyns'ka, N.I.]; LANDYSH, B.O., red.; DAKHNO, Yu.B., tekhn. red.

[Trends in the specialization and comprehensive development of the Kiev Administrative Economic Region]Napriamy spetsializatsii i kompleksnoho rozvytku Kyivs'koho ekonomichnoho administratyvnoho raionu. Kyiv, Vyd-vo Akad. nauk URSR, 1962. 308 p. (MIRA 16:3)

1. Akademiya nauk URSR, Kiev. Instytut ekonomiky.
(Kiev Economic Region--Industries)

KTITAREV, S.O. [Ktytariev, S.O.]; KONSEVICH, A.I. [Konsevych, A.I.]

"A.M.Lazarevskii's historical views" by V.H.Sarbei. Dop. AN URSR. no.11:1534-1537 '61. (MIRA 16:7)
(Lazarevskii, Aleksandr Matveevich, 1834-1902)
(Sarbei, V.H.)



Kovshak, V. V.

4002

10604* Progress of Chemistry of Synthetic Hetero-Chain Polyamides Uspekhi Khimii sinteticheskikh geterotsepnykh poliamidov. Russian. V. V. Kovshak, [illegible] S. G. Matveeva (Uspekhi Khimii) 419-435

Classification: preparation by polycondensation and by [illegible] merization; mixed polyamides [illegible] tion; applications. Diagra[illegible]

KONSHAKOV, P.N.

Effect of cobalt on the feeding properties of growing grain. P. N. Konshakov. *Sovet. Zootekh.* 1953, No. 4, 91; *Ref. zhur. Biol.*, Khim. 1953, No. 6745.—Grains of barley and oats were grown on water (control) and on Co solns. (5.0, 5.0, and 10.0 mg./l.). The germination of grain on Co solns. was higher and the plants were more vigorous. Grains of oats grown on Co solns. contained more carotene per unit w.t. of air-dry substance than the controls. Similar results were also obtained with barley. M. Hoseh

TARNOPOL'SKIY, Yu.M.; PETROV, A.V.; AKUNTS, K.A.; Prinimali uchastiye: KAULINYA, R.P., mladshiy nauchnyy sotrudnik; KONSHEV, A.V., inzh.

Effect of compression parameters on the strength of the plastic AG-4. Plast.massy no.4:65-67 '62. (MIRA 15:4)
(Plastics--Molding)

L 8983-66 EWT(1)/FCC GW

ACC NR: AP5028361 UR/0362/65/001/011/1212/1215

AUTHOR: Kazas, V. I.; Kon'shev, Yu. V.; Laktionov, A. G.

ORG: Institute of Applied Geophysics (Institut prikladnoy geofiziki)

TITLE: Continuous airborne instrument for measuring the size and concentration of large drops in clouds

SOURCE: AN SSSR. Izvestiya. Fizika atmosfery i okeana, v. 1, no. 11, 1965, 1212-1215

TOPIC TAGS: weather forecasting, meteorologic instrument, atmospheric precipitation

ABSTRACT: It is known that the most important mechanism leading to the growth of cloud drops to the size of rain drops is gravitational coagulation which leads to a rapid growth of the drops if their initial diameter is greater than 50 microns. The presence in the clouds of drops larger than 50 microns also determines the possibility of the development of precipitation. The article presents details of an aircraft-mounted instrument which permits reliable data on the drops in the size range of 30 to 150 microns in diameter. A diagrammatic sketch of the instrument is shown (See Fig. 1)

Card 1/3 UDC: 551.508.7

L 8983-66
ACC NR: AP5028361

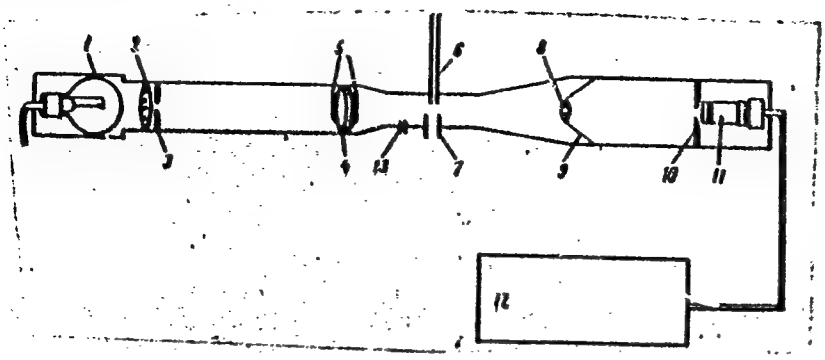


Fig. 1 Scheme of instrument.

The basic elements of the instrument are a sensing device located on the outside of the aircraft and an electronic recording system inside the cabin. Tests of the operation of the instrument were made on board an aircraft in October, 1963. Based on data taken at the time, the article gives curves for the distribution of the integral concentrations of the drops as a function of the drop diameter. Orig. art. has: 4 formulas and 4 figures.

Card 2/3

SERGEYEV, Nikolay Afanas'yevich; KONDRIN, A., red.

[Every rural inhabitant should be trained to operate machines] Kazhdomu zhiteliu sela - professiiu mekhanizatora. Moskva, Kolos, 1964. 69 p. (MIRA 18:1)

BAYDA, Dmitriy Stepanovich; KONSHIN, A.A., red.

[Millet on virgin lands] Proso na tseline. Moskva, Kolos, 1963. 99 p. (MIRA 17:8)

OLEKHNOVICH, L.I., A.A. KONSHIN, A.A. (Odessa)

Morphology of tuberculous meningitis in adults treated with streptomycin
Arkh.pat. 18 no.4:23-26 '56 (MIRA 13:10)

1. Iz patomorfologicheskoy laboratorii (zav. - kandidat meditsinskikh nauk L.I. Olekhonovich) Odesskogo nauchno-issledovatel'skogo instituta tuberkuleza (dir. - starshiy nauchnyy sotrudnik M.A. Brusnikin).
(TUBERCULOSIS, pathol. MENINGEAL, pathol.
eff of streptomycin ther. on morphol. of dissected brain (Rus))
(STREPTOMYCIN, ther.
tuberc. meningeal, eff. on morphol. of dissected brain (Rus))

EXCERPTA MEDICA Sec.8 Vol.10/11 Neurology,etc. Nov 57

4791. OLEKHNOVITCH L. I. and KONSHIN A. A. Tuberc. Res. Inst., Odessa. * The morphology of tuberculous meningitis in adults after streptomycin therapy (Russian text) ARKH. PATOL. 1956, 18/4 (23-26)

The autopsy material comprised 218 cases which had died between 1949 and 1953 at the age of 16-70 yr. from tuberculous meningitis after streptomycin therapy. The duration of illness had been from a few days to 14 months. Tuberculous meningitis was predominantly observed in fibrous-cavitary pulmonary tb (42%), whereas in haematogenous dissemination this was found in only 22.6%. Meningitis simultaneously with a primary complex was even rarer. Twenty autopsies of cases in which no or an insufficient streptomycin treatment up to 1 g. had been carried out, served as controls. Morphologically, these cases showed exudative-proliferative processes in the meninges, and occasionally encephalitis. Chronic changes were also visualized in some of the cases; this was not so in children. In chronic meningitis treated with streptomycin there was no histological difference between the adult and the infantile cases. Besides the specific, there was also an unspecific granulation tissue with a tendency to fibrosis and distinct signs of encephalitis, which is in accordance with the clinical symptoms of these cases.

Brandt - Berlin (V, 8, 15)

Pathomorphology Lab

AKSEL'ROD, L.B.; DUBOVYY, Ye.D.; GOLBAN, N.D.; KONSHIN, A.A.; TSITKO, T.M.; TSYBAN', E.P.

Course of experimental tuberculosis under the influence of ionizing radiations. Med.rad. 4 no.12:48-52 D '59. (MIRA 13:5)

1. Iz Odesskogo nauchno-issledovatel'skogo instituta tuberkuleza (dir. M.A. Brusnikin) i kafedry rentgenologii (zav. - prof. Ye.D. Dubovyy) Odesskogo meditsinskogo instituta imeni N.I. Pirogova.
(TUBERCULOSIS exper.)
(RADIATION EFFECTS exper.)

KON'SHIN, F. V.

Gosudarstvennoy Strakhovaniye v SSSR (State insurance in the USSR). Moskva Gosfinizdat, 1953. 450 pages, Tables.

N/5 775 .K8 1953

KON'SHIN, Fëdor Vasil'yevich

Academic degree of Doctor of Economic Sciences, based on his defense, 3 July 1954, in the Council of Moscow Finance Inst, of his dissertation entitled: "Government insurance in the USSR."

Academic degree and/or title: Doctor of Sciences

SO: Decisions of VAK, List no. 17, 9 July 1955, Byulleten' MVO SSR, No. 17, Sept 1956, Moscow, pp 9-16, Uncl. JPRS/NY-435

LYUBIMOV, N.N., prof.; ALLAKHVERDYAN, D.A., dotsent; STAM, V.M., dotsent; GOL'DENBERG, A.M., dotsent; VINOKUR, R.D., dotsent; AZARKH, M.R., dotsent; SHER, I.D., prof.; RIVKIN, B.B., dotsent; ABROSKIN, A.A., dotsent; DYMSHITS, I.A., dotsent [deceased]; KON'SHIN, F.V., prof.; IPATOV, P.F., dotsent; NIKOL'SKIY, P.S., kand.ekon.nauk; ROSHCHINA, L., red.; TELEGINA, T., tekhn.red.

[Finance in the U.S.S.R.; a collection] Finansy SSSR. Avtorskii kollektiv pod rukovodstvom D.A.Allakhverdiana i N.N.Liubimova. Moskva, Gosfinizdat, 1958. 391 p. (MIRA 12:4)

1. Moskovskiy finansovyy institut (for all except Roshchina, Telegina). (Finance)

KON'SHIN, Fedor Vasil'yevich, prof.; SHERMENEV, M., otv. red.; SHATROVA,T., red. izd-va; LEBEDEV, A., tekhn. red.

[State insurance in the U.S.S.R.] Gosudarstvennoe strakhovanie v SSSR. Izd. 4., perer. i dop. Moskva, Gosfinizdat, 1961. 335 p. (MIRA 14:9)

(Insurance)

AILAKHVERDYAN, D.A., prof.; IPATOV, P.F., dots.; STAM, V.M., dots.; ABROSKIN, A.A., dots.; VINOKUR, R.D., dots.; AZARKH, M.R., dots.; SHER, I.D., prof.; KON'SHIN, F.V., prof.; NIKOL'SKIY, P.S., dots.; KONDRAT'YEV, A., red.; FILIPPOVA, E., red.; LEBEDEV, A., tekhn. red.

[Finances of the U.S.S.R.] Finansy SSSR. Moskva, Gosfinizdat, 1962. 412 p. (MIRA 16:1)

1. Moskovskiy finansovyy institut (for all except Kondrat'yev, Filippova, Lebedev).

(Finance)

KONSHIN, G., (Riga); SAVVAITOV, A.(Riga)

Concerning some peculiarities of the content and the distribution of carbonates in the morainic clay soils in the Salaca River basin. Vestis Latv ak no.9:127-130 '60. (EEAI 10:9)

1. Akademiya nauk Latviyskoy SSR, Institut geologii i poleznykh iskopayemykh.

(Latvia—Carbonates) (Moraines) (Soils) (Clay)

KONSHIN, G.(Riga); SAVVAITOV, A. (Riga)

So-called petrographic method in studying moraines. Vestis Latv ak no.11:117-120 '60. (EEAI 10:9)

1. Akademiya nauk Latviyskoy SSR, Institut geologii i poleznykh iskopayemykh.

(Moraines) (Petrology)

KONSHIN, G.G., inzh.

Stress determination in roadbeds. Transp. stroi. 15 no.3:
39-41 Mr '65. (MIRA 18:11)

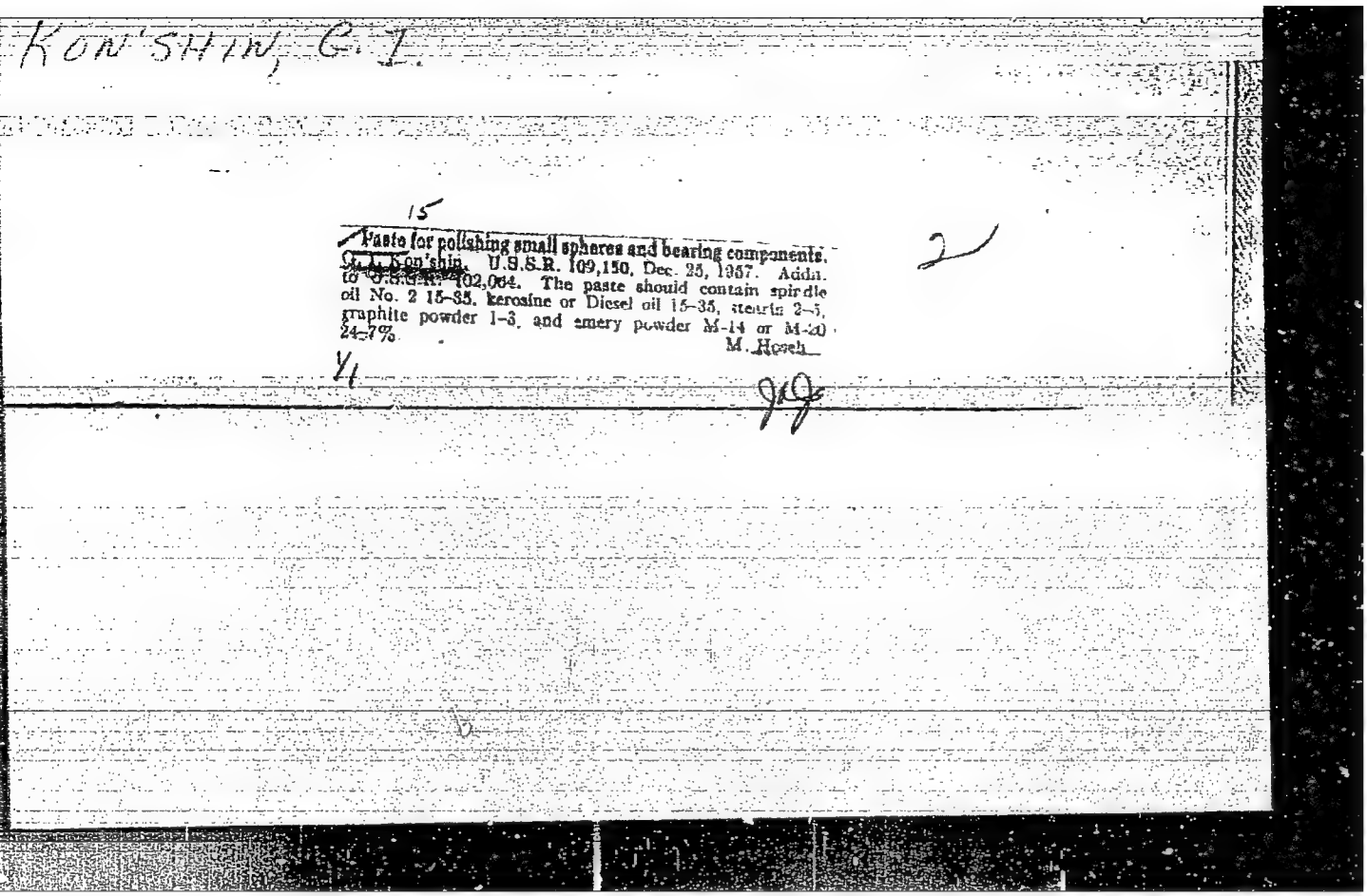
KONSHIN, G.G., inzh.

Experimental analysis of dynamic stresses in the body of the roadbed. Trudy MIIT no.210:42-59 '65.

(MIRA 18:12)

KONSHIN, G.G., Inzh.

Measurement of the dynamic stresses in the roadbed. Trudy MIIT no.177:131-146 '63. (MIRA 17:10)



KON'SHIN, G. I.

15

Paste for polishing small spheres and bearing components. G. I. Kon'shin. U.S.S.R. 109,150, Dec. 25, 1957. Addn. to U.S.S.R. 102,064. The paste should contain spindle oil No. 2 15–35, kerosine or Diesel oil 15–35, stearin 2–5, graphite powder 1–3, and emery powder M-14 or M-20 24–7%.

M. Hosch

2

KON'SHIN, I.

Device for assembling T-37 hoists. Stroitel' no.7:14 Jl '59.
(MIRA 12:10)

(Hoisting machinery)

28820

S/147/61/000/003/010/017
E191/E581

26.1220 also 2114

AUTHORS: Klyachkin, A.L. and Konshin, I.A. (Riga)

TITLE: The effect of the design parameters of two-flow turbo-fan jet engines on their specific thrust and the specific fuel consumption

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Aviatsionnaya tekhnika, no. 3, 1961, pp. 100 - 112

TEXT: Starting from given working-cycle parameters (pressure ratio and turbine-inlet temperature) and given the conditions of flight (Mach number and altitude) of the basic single-flow turbo-jet engine, there is an infinite number of derived two-flow turbo-fan engines which differ in: 1) the ratio of mass flows; 2) the energy-exchange factor (related to the ratio of powers of the inner and outer flow turbines) and 3) the pressure ratio of the outer flow. The thermodynamic comparison between the basic single flow turbo-jet and the derived turbo-fan engines is measuredby effectiveness criteria(specific fuel consumption and specific thrust). A formula is given for the specific effectiveness as defined in

Card 1/4

The effect of the ....

the senior author's earlier paper on the theory of turbo-fan engines. Of the three parameters enumerated above, two are independent variables. The effect of each on the specific fuel consumption is analysed. Assuming a constant mass flow ratio, the effect of the pressure ratio of the outer flow upon the specific fuel consumption is derived. When the mass flow ratio is below 0.5, the pressure ratio has a slight effect and its choice should be governed not by the minimum fuel consumption but by practical design considerations, such as simplicity, low weight, and reliability. At a mass flow ratio above 2.0, the fuel consumption curves as a function of the pressure ratio are steep and the pressure ratio must be near its value for minimum fuel consumption. The effect of the compression and expansion efficiencies upon the overall efficiency of the outer flow is analysed. Broadly, with increasing pressure ratio, the overall efficiency increases gradually. The effect of the mass flow ratio at a constant pressure ratio of the outer flow is then derived. The specific fuel consumption first diminishes and later rises again. The envelope of all the fuel-consumption curves as a function of the mass flow ratio is the curve

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The effect of the ....

of minimum fuel consumption. The absolute minimum is shown to lie at a mass flow ratio of about 3.0. The next derivation concerns the effect of the mass flow ratio at a constant power of the outer flow turbine. Once again, the fuel consumption curves have a minimum. The absolute minimum lies at a mass flow ratio of 3.0 and a turbine power factor of about 0.4. Curves are shown representing the relation between the specific fuel consumption and the specific thrust for each of the three cases of constant mass flow ratio, constant pressure ratio and constant turbine work. A nomogram is reproduced from which the effect of all the parameters of the two-flow engine can be graphically obtained. The illustration applies to a Mach number of 0.9, an altitude of 11 km, a turbine inlet temperature of 1 200 ^{o}K, a pressure ratio of 20 for the basic single-flow cycle and to expansion and compression efficiencies of 90% and 85%, respectively, for the outer flow cycle.

Card 3/4

KONSHIN, K.I.; ALEKSEYEV, F.A.

Why are subsidiary farms unprofitable? Nauka i pered. op. v sel'khoz. 7 no.2:66-68 F '57. (MLRA 10:3)
(Agriculture--Economic aspects)

KONSHIN, M. D.

Konshin, M. D. - "Processing pictures of mountainous regions for topographic stereometry", Sbornik nauch.-tekhn. i prioavod. statey po geodez.., kartografii, topografii, aeros"yemke i gravimetrii, Issue 22, 1948, p. 40-51.

SO: U-4110, 17 July 53, (Letopis 'Zhurnal 'nykh Statey, No. 19, 1949).

KONSHIN, M.D.

Aerial Phototopography-. Geodezizdat, Moscow (1949)

KONSHIN, M.D., professor, doktor.

Photogrammetric development of the vertical base. Sbor.st.po geod.no.1:30-31 '51. (MLRA 9:7)
(Photogrammetry)

KONSHIN, M.D.; ZLATKIN, Ya.Ye., redaktor; SHLENSKIY, I.A., tekhnicheskiy redaktor.

[Photogrammetrical methods and techniques for making topographical maps.] Metody i priemy fotogrammetricheskikh rabot pri sozdanii topograficheskikh kart. Moskva, Izd-vo geodezicheskoy i kartograficheskoy lit-ry, 1952. 182 p. (MIRA 8:3)
(Aerial phtogrammetry)

Ch. 3, 5, and 11 - N. P. Kozhevnikov, Ch. 7 - N. P. Kalikov.
Text Data
Coverage: This is the second supplemented edition of a textbook dealing with photogrammetrical methods for building topographical maps, which is mainly concerned with processes of field preliminary work, the plotting of the original of a map and the stereophotogrammetrical photograph of a relief. The new edition includes the application in the topographic-geodetic work of statoscopes, methods of photopolygonometry, and the use of the stereometer with additional correction devices.

1/3

cameras and instruments used. No new or specially interesting data could be found.

TABLE OF CONTENTS

2/3

Library of Congress

3/3

KONSHIN, M.D., doktor tekhnicheskikh nauk, professor; ORLOV, V.K., inzhener.

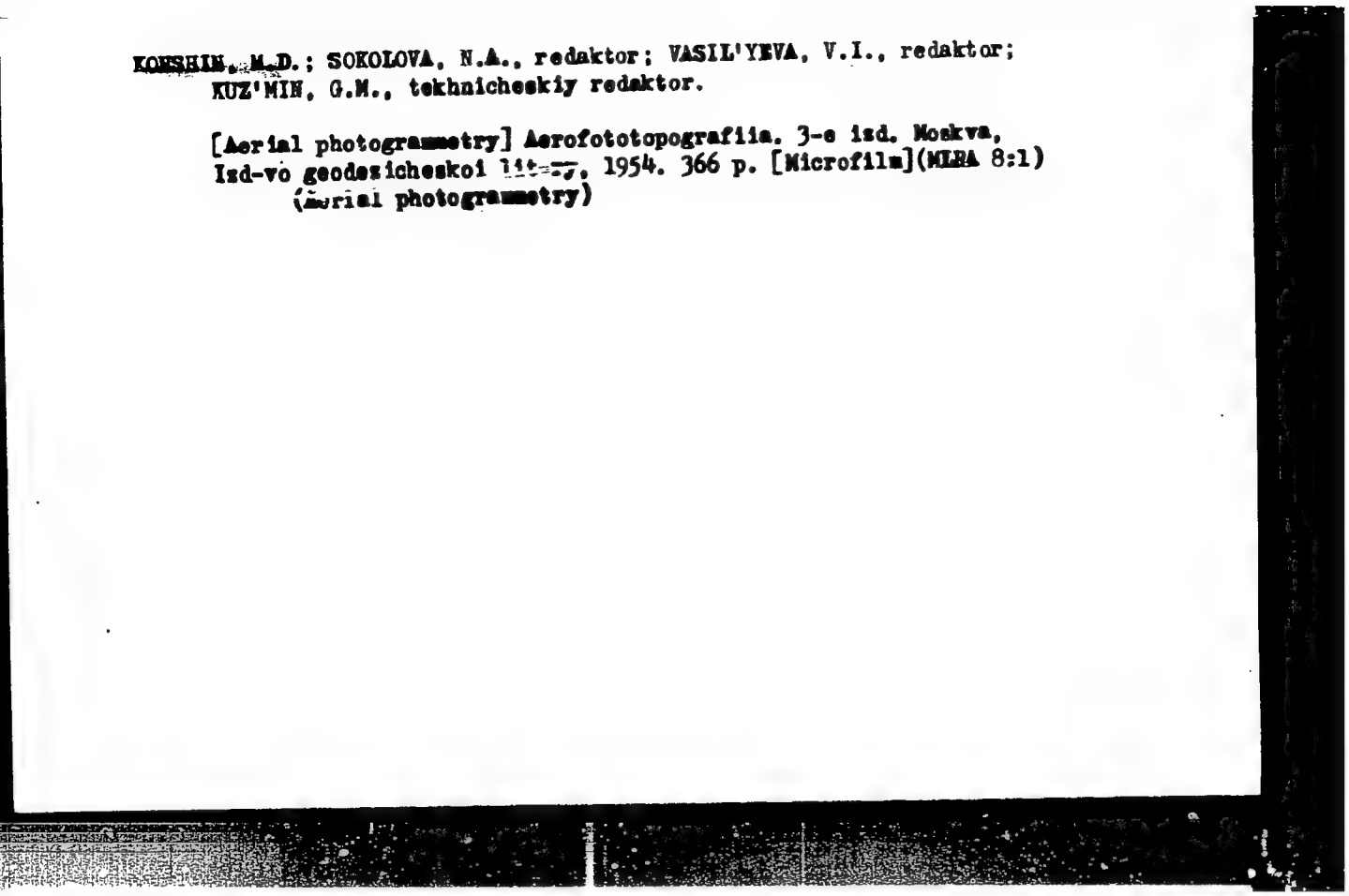
Interpretation of aerial photographs of a mountainous region on a topographic stereometer. Sbor.st.po geod. no.4:3-11 '53.
(Aerial photogrammetry) (MLRA 9:6)

KONSHIN, N. D.; OKOV, V. L.

Determination of Elements of Mutual Orientation From Pictures of a Mountainous Territory. Sbornik Statey po Geodezii, No 5, 1953, 3-16.

A determination method of elements of mutual orientation of pictures is outlined. The corrective terms for the formulas of mutual orientation elements do not contain products of differences of longitudinal parallaxes and hence the accuracy of determination is independent of the relief. (RZhAstr, No 9, 1954)

SO: W-31128, 11 Jan 55



KONSHIN, M.D.; SOKOLOVA, N.A., redaktor; VASIL'YEVA, V.I., redaktor; KUZ'MIN, G.M., tekhnicheskiy redaktor.

[Aerial photogrammetry] Aerofototopografiia. 3-e izd. Moskva, Izd-vo geodezicheskoi lit-ry, 1954. 366 p. [Microfilm](MLRA 8:1) (Aerial photogrammetry)

KONSHIN, M. D.

"Applications of Aerial Cameras With R-2 Objective for Aerial Survey"
Sb. ref. Tsentr. n-i. in-ta geod., aeros'yemki i kartogr., No 1, 1954, 29-31

Rigid limits of cruising altitude require large-scale photography for topographic charts and necessitate wide-angle objectives. Objectives of V. S. Rodin and M. M. Rusinov design have a 55 mm focal length and cover an 18 x 18 cm picture. Laboratory tests of these objectives showed a view angle of 133° along the diagonal and 103° side view with aperture ratio of 1 : 8. The mean parallactiv error of the aerial camera TE-55 did not exceed 0.035 mm. (RZhAstr, No 10, 1955)

SO; Sum-No 787, 12 Jan 56

KONSHIN, M. D.

"Selection of Scale of Photography and Focal Length of the Aerial Survey Camera in Stereotopographic Survey", Sb. ref. Tsentr. n-i. in-ta geod., aeros'yemki i kartogr., No. 2, 1954.

The following requirements should be met in selection of scale and focal length of the camera: keeping the established accuracy and reproduction of details in the mapping of profiles and relief, maximum exploitaiton of work, and lowering of costs. The selection of scale and focal length is tabulated as against the required cross sections of relief. With recent improvements of techniques it is suggested that the scale be increased by a factor of 1.2. (RZhAstr, No 11, 1955)

SO: Sum No. 812, 6 Feb 1956.

KOKIN, F.; LOBANOV, A.

"Making Topographic Maps on the Basis of Aerial Photographs and Photogrammetry. Tr. from the Russian", P. 209, (FOLDMERESZETI FOLYOIRAT, Vol. 6, No. 4, 1954, Budapest, Hungary)

SO: Monthly List of East European Accessions (EEAL), LC, Vol. 4, No. 3, March 1955, Uncl.

FINKOVSKIY, Viktor Yakovlevich; KONSHIN, M.D., redaktor; VASIL'YEVA, V.I., redaktor izdatel'stva; ROMANOVA, V.V., tekhnicheskiy redaktor

[Handbook for work with the STD-2 topographical stereometer] Posobie po rabote na topograficheskom stereometre STD-2. Moskva, Izd-vo geodezicheskoi lit-ry, 1956. 76 p. (MLRA 10:2)
(Photogrammetry)

KONSHIN, M.D., doktor tekhnicheskikh nauk; SOKOLOVA, N.A., kandidat tekhnicheskikh nauk; TATEVYAN, A.Sh., kandidat tekhnicheskikh nauk.

Eighth International Photogrammetric Congress. Geod.i kart.no.8:58-62 O '56. (MLRA 10:1)

(Stockholm--Aerial photogrammetry--Congresses)